

یازدهم

۲۰ عالی نوشتن!

سریه‌ها

(۲)

$$A(1, -6)$$

$$\frac{x+2}{y} = 3$$

$$(3, 1)$$

$$y = 3x + 2$$

$$B(2, 1)$$

$$\frac{x-2}{y} = 1$$

$$m = \frac{\Delta y}{\Delta x} = \frac{1 - (-6)}{2 - 1} = 7$$

$$y = \frac{1}{7}x + \frac{4}{7} \Rightarrow 7y = x + 4$$

$$BC = \sqrt{(-1)^2 + (-2)^2} = \sqrt{5}$$

$$AH = \frac{|ax + by + c|}{\sqrt{a^2 + b^2}}$$

$$\frac{|3(1) - 2(2) - 5|}{\sqrt{9 + 4}} = 2$$

$$y = -\frac{3}{2}x + \frac{5}{2}$$

$$3y + 2x - 5 = 0$$

$$(BC) \frac{\Delta y}{\Delta x} = \frac{f}{-2}$$

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$$\frac{1}{a} = \frac{11}{a}$$

$$a - 2 = 11$$

$$2y = x + 1$$

$$m = \frac{1}{2}$$

$$y = ax + 1$$

$$m = \frac{1}{2} = \frac{a}{f}$$

$$\Rightarrow a = 2$$

$$d = \frac{c - c'}{\sqrt{a^2 + b^2}} = \frac{12}{\sqrt{1 + 1}} = \frac{12}{\sqrt{2}} = \frac{12}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{6\sqrt{2}}{1}$$

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$$y = 2x + 1$$

$$y = (x + 1)$$

$$\frac{6\sqrt{2}}{1} = 1 = \frac{6\sqrt{2}}{1} = \frac{6\sqrt{2}}{1} \Rightarrow M_1 = M_2 \frac{f_2}{f_1}$$

$$S = \frac{q}{\omega} \mu$$

$$\frac{\Delta y}{\Delta x} = \frac{y}{-2} = -1$$

$$y = -x + 1$$

$$m = y = x - 2$$

$$\begin{cases} y + x = 1 \\ y - x = -2 \end{cases}$$

$$2y = -1$$

$$y = -\frac{1}{2}$$

$$x = \frac{3}{2}$$

$$x = \frac{3}{2}$$

$$H = \left(\frac{x}{r}, \frac{y}{r} \right)$$

$$\frac{r + f}{r} = 2$$

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$$m = (2, 2)$$

$$\frac{r + 1}{r} = 2$$

$$\sqrt{\left(1 - \frac{r}{r}\right)^2 + \left(1 - \frac{r}{r}\right)^2} = \sqrt{\frac{1}{r}} = \sqrt{\frac{1}{r}} = \sqrt{\frac{1}{r}}$$

$$\frac{m+1}{r-m-f} = \frac{a-m}{r-m}$$

$$m' = \frac{r - r_m}{a - m}$$

$$m = \frac{m+1}{r-m-f}$$

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$$\frac{m+1}{r-m-f} = \frac{a-m}{r-m}$$

$$r_m = r_m^2 + r - r_m = -1 \cdot m + r_m^2 + r - r_m$$

$$a m^2 - 11 m + 11 = 0$$

$$\Delta < 0$$

$$A = \begin{cases} x+ry = f \\ x-y = 1 \end{cases} \quad \begin{cases} rx+ry = f \\ x-y = 1 \end{cases}$$

$$A = \begin{pmatrix} 1 & r \\ 1 & -1 \end{pmatrix}$$

$$B = \begin{cases} x+ry = f \\ x-y = 1 \end{cases}$$

$$B = (d, -1) \quad - \text{S}$$

(r)

$$C = \begin{cases} rx-y = 1 \\ x+y = f \end{cases}$$

$$rx = d$$

$$x = \frac{d}{r}$$

$$((\frac{d}{r}, \frac{f}{r}))$$

$$m = \frac{\frac{f}{r} - 1}{\frac{d}{r} - 1} = -1$$

$$BC = y = -x + f$$

$$AH = y = x$$

$$H = (r, r)$$

$$\sqrt{(r-0)^2 + (r-1)^2} = \sqrt{r}$$

$$AH = \sqrt{r}$$

$$\frac{d+r}{r} = \frac{1}{r} \quad m = \left(\frac{1}{r}, \frac{f}{r}\right)$$

$$\frac{\frac{f}{r} - 1}{r} = \frac{f}{r}$$

$$\begin{cases} y+x = f \\ y-x = 1 \end{cases}$$

$$ry = f$$

$$y = r$$

$$x = \frac{f}{r}$$

$$\sqrt{\left(\frac{1}{r} - 1\right)^2 + \left(\frac{f}{r} - 1\right)^2} \cdot \frac{\sqrt{a^2}}{r}$$

$$\frac{\sqrt{a^2}}{r} = \frac{d}{r}$$

$$\frac{d}{r} \checkmark$$

$$\frac{\sqrt{a^2}}{r} = \frac{d}{r}$$

$$y = -\frac{1}{r}x + c \Rightarrow ry + x - c = 0$$

$$\frac{ry + x - c}{\sqrt{a^2 + b^2}} = \frac{ry + x - c}{\sqrt{a^2 + 1}}$$

$$\frac{|r(0) + (0) - c|}{\sqrt{1+1}} = \sqrt{r} \Rightarrow |c| = 1$$

$$c = \pm 1$$

$$\sqrt{(x_1 - y_1)^2 + (x_2 - y_2)^2} =$$

$$\sqrt{\left(\frac{d}{r} - 0\right)^2 + \left(0 - \frac{f}{r}\right)^2} = \sqrt{1+r} = \sqrt{d} \checkmark$$

$$y = (1-m)x + r \quad \left| \frac{r}{m-1} \right|$$

$$y = \frac{f}{m}x + r \quad \left| \frac{-m}{r} \right|$$

$$y=0 \Rightarrow x = \frac{-r}{1-m} \Rightarrow x = \frac{r}{m-1}$$

$$y=0 \Rightarrow x = \frac{m}{r} \Rightarrow x = \frac{f}{r} - \frac{m}{r}$$

(r) - \Lambda

$$\sqrt{(0-0)^2 + \left(\frac{r}{m-1} - \frac{m}{r}\right)^2} = \frac{d}{r}$$

$$\left| \frac{r}{m-1} - \frac{m}{r} \right| = \frac{d}{r}$$

$$\left| \frac{r(m-r)}{r(m-r)} \right| = \frac{d}{r}$$

$$\Lambda + |r_m - r_m| = |m-1| \Rightarrow |r_m - r_m| = |m-1|$$

$$m = r \quad r(m-r) = 0$$

$$-\Lambda - |r_m + r_m| = |m-1| \Rightarrow |r_m + r_m| = |m-1|$$

$$(r)(-r-\sqrt{d})(-r+\sqrt{d}) = r(f-d) = (-r) \checkmark$$

$$= \pm \sqrt{d}$$

$$= \frac{-\Lambda \pm f\sqrt{d}}{r}$$

$$y = \ln - r$$

$$| \begin{smallmatrix} 1 \\ -r \end{smallmatrix} |$$

-9

(r)

$$\frac{\lambda_A + \lambda_A'}{r} = 1$$

$$\frac{0 + \lambda_A'}{r} = 1$$

$$\lambda_A' = r$$

$$| \begin{smallmatrix} r \\ -1 \end{smallmatrix} |$$

$$\frac{\gamma_A + \gamma_A'}{r} = -1$$

$$\frac{-r + \gamma_A'}{r} = -1$$

$$\gamma_A' = -1$$

$$m = m'$$

$$\Rightarrow y = \ln - 9$$



$$g = \ln - r$$

$$m = -1$$

$$A | \begin{smallmatrix} 1 \\ r \end{smallmatrix}$$

-1.

(r)

$$y = -\ln - r$$

$$\begin{cases} y - \ln = 0 \\ y + \ln = -r \end{cases}$$

$$y = r \quad \lambda = -1$$

$$| \begin{smallmatrix} 1 & -1 \\ r & 1 \end{smallmatrix} |$$

$$\frac{\lambda_A + \lambda_A'}{r} = 0$$

$$\frac{1 + \lambda_A'}{r} = 0$$

$$\lambda_A' = -1$$

$$B = | \begin{smallmatrix} -r \\ 1 \end{smallmatrix} |$$

$$\frac{\gamma_A + \gamma_A'}{r} = 0$$

$$\frac{\gamma + \gamma_A'}{r} = 0$$

$$\gamma_A' = -\gamma$$

$$r(\gamma) + r = (1, 0)$$

